

PRATT

Henry Pratt Company

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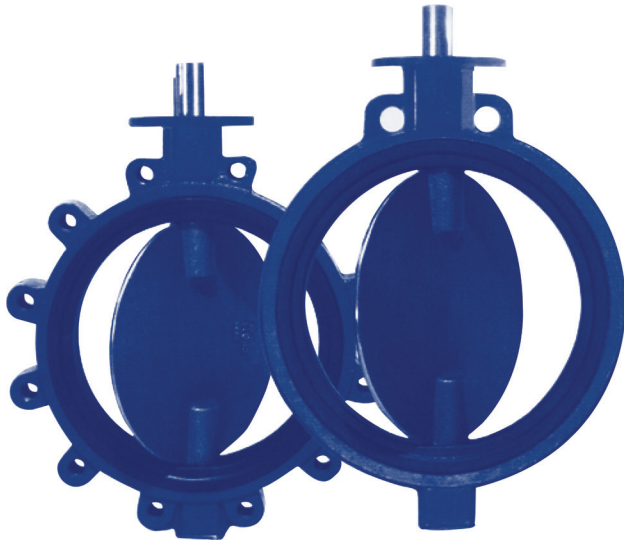
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Rubber Seated Butterfly Valve Series 396/397



Construction Specifications:

Sizes: 2" through 48"

Body: Ductile Iron
Wafer (396) or Lug (397)*

Disc: Ductile Iron
Stainless Steel
Aluminum Bronze

Stem: Stainless Steel

Resilient Seat: EPDM BUNA-N Viton

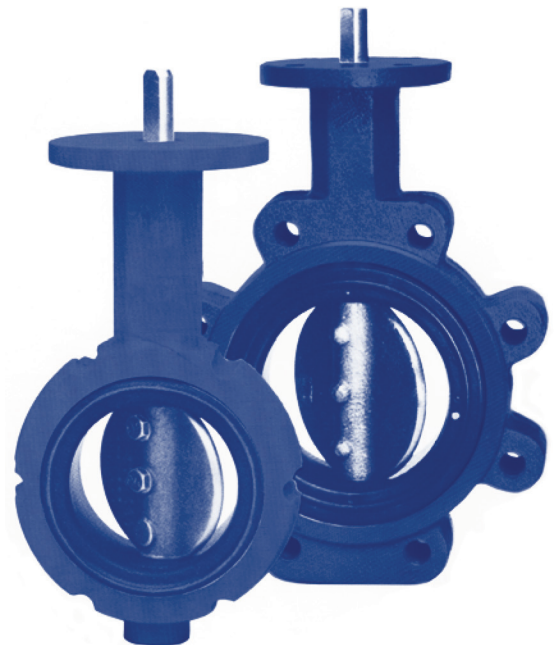
Actuation Options: Worm Gear Lever
Pneumatic Electric

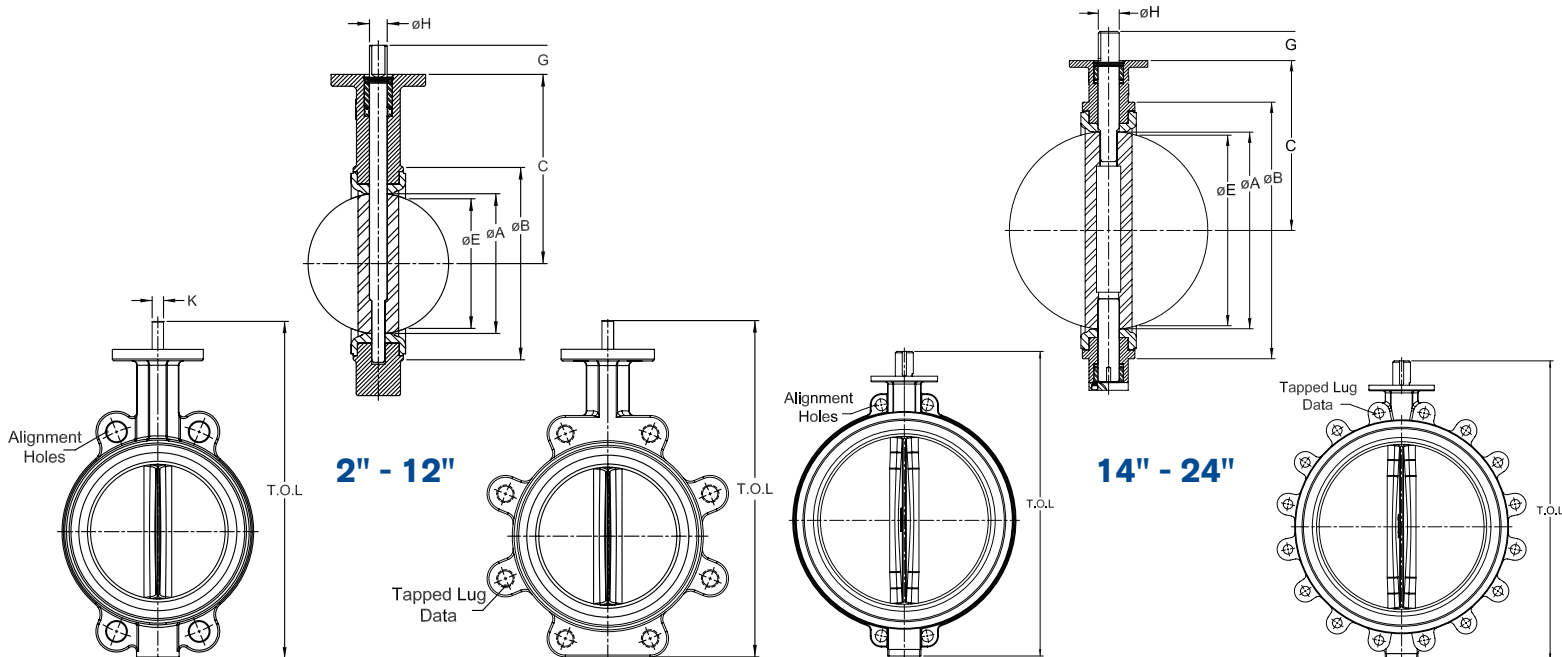
Pressure Ratings: 2"-12" — 200 psi
14" and larger — 150 psi

*for installation between ANSI Class 125 flanges

Features

- Guaranteed standard dimensions for interchangeability of parts and actuators.
- Shaft bushings are impact and corrosion resistant materials. Protects the shaft from side thrust of actuators.
- Special double-V-shape of stem seal self-adjusts to protect the stem area for either vacuum or pressure use.
- Stem and body are isolated from line media by seal created between disc flats and flat surface of seat.
- Disc edge is machined and buffed, providing a bubble tight shutoff and maximum seat life.
- All valves are factory tested at their rated pressure.





Valve Dimensions

Size	øA	øB	C	øE	G	øH	K	T.O.L.	Weight
2"	2	3-1/2	5-1/2	1-3/8	1-1/4	9/16	3/8	9.25	7 lbs
2.5"	2-1/2	4	6	2-1/16	1-1/4	9/16	3/8	10.00	9 lbs
3"	3-1/8	4-3/4	6-1/4	2-9/16	1-1/4	9/16	3/8	10.45	10 lbs
4"	4-1/8	5-15/16	7	3-5/8	1-1/4	5/8	7/16	12.50	20 lbs
5"	4-15/16	7-1/8	7-1/2	4-3/4	1-1/4	3/4	1/2	13.50	24 lbs
6"	6	8-3/16	8	5-1/2	1-1/4	3/4	1/2	14.42	26 lbs
8"	7-15/16	10-1/4	9-1/2	7-1/2	1-1/4	7/8	5/8	17.20	41 lbs
10"	9-3/4	12-5/8	10-3/4	9-5/8	2	1-1/8	-	20.44	64 lbs
12"	11-1/2	14-5/8	12-1/4	11-9/16	2	1-1/8	-	23.26	89 lbs
14"	13-1/8	17	12	13-1/8	2-1/4	1-3/8	-	25.25	110 lbs
16"	15-3/16	19-5/8	12-15/16	15	2-1/4	1-5/8	-	27.45	180 lbs
18"	17-3/16	21-7/16	14-1/2	16-7/8	3	1-7/8	-	30.83	226 lbs
20"	19-3/16	23-13/16	15-7/8	18-3/4	3	2-1/8	-	33.75	340 lbs
24"	24-5/16	28-1/2	22-1/4	22-5/8	3	2-1/8	-	41.96	508 lbs

Note: Valves cannot be used on a pipe or flange with an inside diameter of less than "E" dimension. For dimensions on valves larger than 24" contact factory.

General Service Rubber Seated Butterfly Valve Specifications

General

Valves shall be of the wafer (or lug wafer) design for installation between ANSI B16.1 125# flanges. All valves shall be capable of bi-directional, bubble tight service to the rated pressure. Valves shall be Pratt Series 396/397 or approved equal.

Pressure rating

2" through 12" – 200 psi
14" and larger – 150 psi

Body

The valve body shall be ductile iron ASTM A-536. Laying length shall conform to the latest revision of MSS-SP67.

Disc

Valve disc shall be ductile iron ASTM A-536 Grade 65-45-12 (or 316 stainless steel or aluminum bronze).

Shaft

Valve shaft shall be stainless steel type 416.

Seat

Seat shall be EPDM (or Buna-n or Viton). Seats shall be located in the valve body.

Shaft Seal

Shaft seal shall be self adjusting V-type and shall be suitable for pressure or vacuum service.

Testing

All valve shall be leak tested in the factory at their rated pressure.